Toru Mizuki

List of Publications by Year
in descending order

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30	760	471509	526287
papers	citations	17	27
		h-index	g-index

30	30	30	999
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Biological Synthesis of Bioactive Gold Nanoparticles from Inonotus obliquus for Dual Chemo-Photothermal Effects against Human Brain Cancer Cells. International Journal of Molecular Sciences, 2022, 23, 2292.	4.1	10
2	Isolation and cultivation of a novel sulfate-reducing magnetotactic bacterium belonging to the genus Desulfovibrio. PLoS ONE, 2021, 16, e0248313.	2.5	8
3	Scaffold mediated delivery of dual miRNAs to transdifferentiate cardiac fibroblasts. Materials Science and Engineering C, 2021, 128, 112323.	7.3	10
4	Detection and Analysis of Targeted Biological Cells by Electrophoretic Coulter Method. Analytical Chemistry, 2017, 89, 12450-12457.	6.5	4
5	Formation of Core-Shell Nanoparticles Composed of Magnetite and Samarium Oxide in Magnetospirillum magneticum Strain RSS-1. PLoS ONE, 2017, 12, e0170932.	2.5	19
6	Synthesis of nanoparticles composed of silver and silver chloride for a plasmonic photocatalyst using an extract from a weed Solidago altissima (goldenrod). Advances in Natural Sciences: Nanoscience and Nanotechnology, 2016, 7, 015002.	1.5	45
7	Efficient DNA ligation by selective heating of DNA ligase with a radio frequency alternating magnetic field. Biochemistry and Biophysics Reports, 2016, 8, 360-364.	1.3	10
8	Encouragement of Enzyme Reaction Utilizing Heat Generation from Ferromagnetic Particles Subjected to an AC Magnetic Field. PLoS ONE, 2015, 10, e0127673.	2.5	17
9	Extremophilic polysaccharide nanoparticles for cancer nanotherapy and evaluation of antioxidant properties. International Journal of Biological Macromolecules, 2015, 76, 310-319.	7.5	30
10	Effect of Polyethylene Glycol on the Formation of Magnetic Nanoparticles Synthesized by Magnetospirillum magnetotacticum MS-1. PLoS ONE, 2015, 10, e0127481.	2.5	6
11	Acetosulfation of bacterial cellulose: An unexplored promising incipient candidate for highly transparent thin film. Materials Express, 2014, 4, 415-421.	0.5	12
12	Synthesis of Feâ€“C60 complex by ion irradiation. Nuclear Instruments & Methods in Physics Research B, 2013, 310, 18-22.	1.4	11
13	Activity of Lipase and Chitinase Immobilized on Superparamagnetic Particles in a Rotational Magnetic Field. PLoS ONE, 2013, 8, e66528.	2.5	22
14	Intracellular trafficking of superparamagnetic iron oxide nanoparticles conjugated with TAT peptide: 3-dimensional electron tomography analysis. Biochemical and Biophysical Research Communications, 2012, 421, 763-767.	2.1	20
15	Geomicrobium halophilum gen. nov., sp. nov., a moderately halophilic and alkaliphilic bacterium isolated from soil. International Journal of Systematic and Evolutionary Microbiology, 2010, 60, 990-995.	1.7	26
16	Natronoarchaeum mannanilyticum gen. nov., sp. nov., an aerobic, extremely halophilic archaeon isolated from commercial salt. International Journal of Systematic and Evolutionary Microbiology, 2010, 60, 2529-2534.	1.7	43
17	Activity of an enzyme immobilized on superparamagnetic particles in a rotational magnetic field. Biochemical and Biophysical Research Communications, 2010, 393, 779-782.	2.1	46
18	Molecular Mechanism of Distinct Salt-Dependent Enzyme Activity of Two Halophilic Nucleoside Diphosphate Kinases. Biophysical Journal, 2009, 96, 4692-4700.	0.5	18

#	Article	IF	Citations
19	Acidophilic haloarchaeal strains are isolated from various solar salts. Saline Systems, 2008, 4, 16.	2.0	26
20	Capture of nonmagnetic particles and living cells using a microelectromagnetic system. Journal of Applied Physics, 2008, 104, 094509.	2.5	5
21	Haloferax elongans sp. nov. and Haloferax mucosum sp. nov., isolated from microbial mats from Hamelin Pool, Shark Bay, Australia. International Journal of Systematic and Evolutionary Microbiology, 2008, 58, 798-802.	1.7	46
22	Halalkalibacillus halophilus gen. nov., sp. nov., a novel moderately halophilic and alkaliphilic bacterium isolated from a non-saline soil sample in Japan. International Journal of Systematic and Evolutionary Microbiology, 2007, 57, 1081-1085.	1.7	38
23	Alkalibacillus silvisoli sp. nov., an alkaliphilic moderate halophile isolated from non-saline forest soil in Japan. International Journal of Systematic and Evolutionary Microbiology, 2007, 57, 770-774.	1.7	31
24	Organic solvent tolerance of halophilic ?-amylase from a Haloarchaeon, Haloarcula sp. strain S-1. Extremophiles, 2005, 9, 85-89.	2.3	112
25	Organic solvent tolerance of halophilic archaea, Haloarcula strains: Effects of NaCl concentration on the tolerance and polar lipid composition. Journal of Bioscience and Bioengineering, 2005, 99, 169-174.	2.2	21
26	Endospores of halophilic bacteria of the family Bacillaceae isolated from non-saline Japanese soil may be transported by Kosa event (Asian dust storm). Saline Systems, 2005, 1, 8.	2.0	76
27	Enzymes of Halophilic Archaea. , 2005, , 227-238.		0
28	Ureases of Extreme Halophiles of the GenusHaloarculawith a Unique Structure of Gene Cluster. Bioscience, Biotechnology and Biochemistry, 2004, 68, 397-406.	1.3	20
29	The Potential Use of Signature Bases from 16S rRNA Gene Sequences To Aid the Assignment of Microbial Strains to Genera of Halobacteria. , 2004, , 77-87.		14
30	Organic Solvent Tolerance of Halophilic Archaea. Bioscience, Biotechnology and Biochemistry, 2003, 67, 1809-1812.	1.3	14